U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

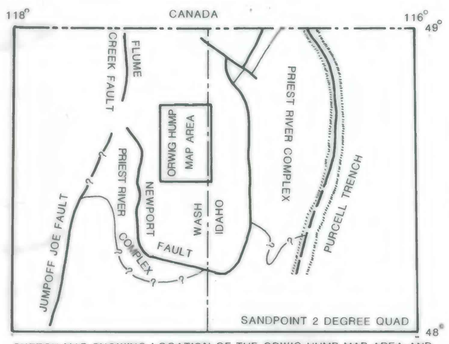
OPEN-FILE REPORT
91-24

Base from USGS topographic series: Monumental Mountain, 1967; North Baldy, 1967; Orwig Hump, 1967; and Gleason Mountain, 1967.

SCALE 1 : 48,000

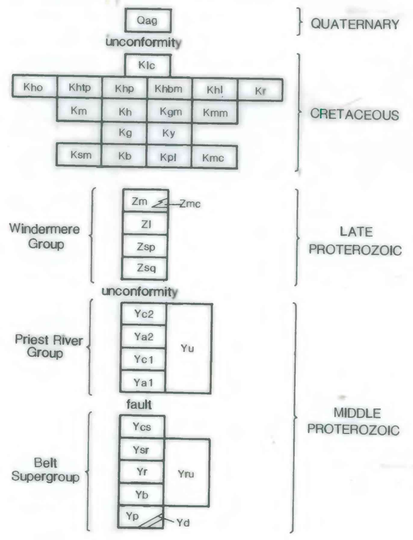
CONTOUR INTERVAL 40 FEET

UTM GRID AND 1986 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



SKETCH MAP SHOWING LOCATION OF THE ORWIG HUMP MAP AREA AND MAJOR STRUCTURAL ELEMENTS IN THE SANDPOINT 2 DEGREE QUADRANGLE

CORRELATION OF MAP UNITS



Qag--Glacial and alluvial material
Klc--Granodiorite of LeClerk Creek
Granodiorite of Hall Mountain
Kho--Orwig Hump pluton
Khtp--Tillicum Peak pluton
Khp--Paupac Creek pluton
Khbm--Boulder Mountain pluton
Khl--Loop Creek pluton
Kr--Granodiorite of Reeder Creek
Km--Monzogranite of Middle Creek
Kh--Monzogranite of Hungry Mountain
Kgm--Monzogranite of Gleason Mountain
Kmm--Granodiorite of Molybdenite Mountain
Kg--Galena Point Granodiorite
Ky--Granodiorite of Yocum Lake
Ksm--Granodiorite of Sema Meadows
Kb--Granodiorite of Bunchgrass Meadows
Kpl--Granodiorite of Priest Lake
Kmc--Granodiorite of Mill Creek
Windermere Group
Zm--Monk Formation; Zmc, conglomerate
Zl--Leola Volcanics
Zsp--Shedroof Conglomerate, phyllite; Zsq, quartzite
Priest River Group
Yu--Priest River Group, undivided
Yc_2--Upper carbonate unit
Ya_2--Upper argillite unit
Yc_1--Lower carbonate unit
Ya_1--Lower argillite unit
Belt Supergroup
Ycs--Calc-silicate unit
Ravalli Group
Yru--Ravalli Group, undivided
Ysr--St. Regis Formation
Yr--Revett Formation
Yb--Burke Formation
Yp--Prichard Formation; Yd, metadiabase sills

CONTACT--Approximately located; queried where uncertain

FAULT--Dashed where approximately located; dotted where concealed; queried where uncertain

ANTICLINE

OVERTURNED ANTICLINE

OVERTURNED SYNCLINE

STRIKE AND DIP OF BEDS

Inclined

Vertical

Overturned

STRIKE AND DIP OF FOLIATION

Metamorphic, inclined

Metamorphic, vertical

Primary igneous, inclined

Primary igneous, vertical

STRIKE AND DIP OF CLEAVAGE

Inclined

Vertical

Cleavage with displacement, inclined

Cleavage with displacement, vertical

BEARING AND PLUNGE OF LINEATIONS

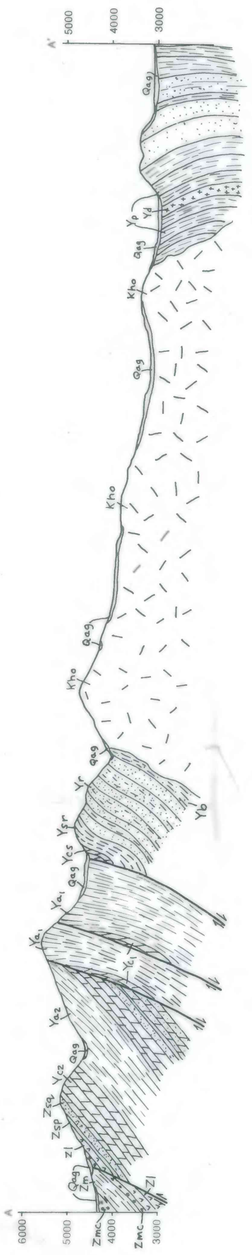
Minor fold axes

Intersection of bedding and cleavage

Aligned prismatic minerals, primary igneous

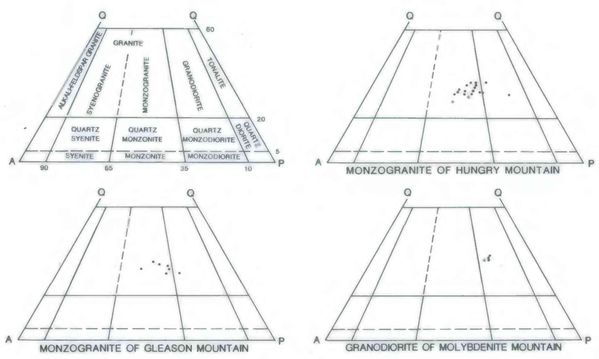
Aligned prismatic minerals, metamorphic

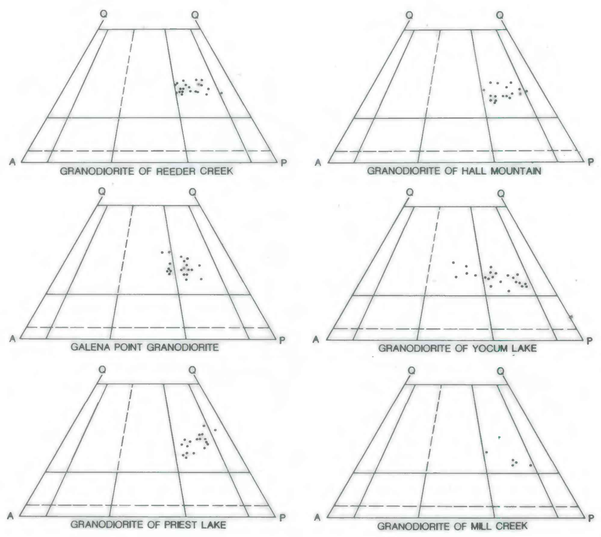
NOTE: Symbols may be used in combination



Geology by F. K. Miller, 1981 and 1982; assisted by K. E. Silver

[70] Scintillometer measurement; counts per second





PRELIMINARY GEOLOGIC MAP OF THE ORWIG HUMP AREA, WASHINGTON AND IDAHO

BY

F. K. MILLER